1st & Final Bill

Job number: 002-23-000019.

M. A. R. 57 (Rule 116)
Measurement Book

No. E 586712

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency..... Sri. Akshay kumar. H.B. (Akshay Constructions)

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Name of work:	Construction of CC road @ Harohalli village in Chowdeshwari ward no-02 of yelahanka Sub-division					
	Work order:	BBMP/EE/YNK.2/E-PMT-19/W.O/01/2023-24 dt-20-10-2023					
	Estimate cost;	Rs. 25.00 lakhs.					
	A/S No:	CE/YNK.2/AS/55/2022-23 dt-22-08-2022.					
	T/S. No:	CE/YNK.2/TS/72/2022-23 dt-22-08-2022					

MEASUREMENT BOOK

M. A. R. 57 (Rule 116) No. E

Measurement Book

586713

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(01)	Earthwork excavation by manual means for drain, canals, waste weir draft approach channels, key trenches, foundation of bridges and such similar works in all kinds of soils as per drawing and technical Specifications, including setting out, Shoring Strutting barricading caution lights, removal of Stumps and other deleterious matter, excavated surface levelled and sides neatly dressed disposing off the excavated Stuff or sorting & stacking the selected Stuff for reuse in a radious of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenances required to complete the work. Loading & unloading of stone boulder stone aggregates / Sand / Kanker / Moorum. Gripper 5.5 m3)						
	pre-measurent recorded vide MB No -				5868	& page no - 586790	
	ie Total Qty					= 89.88 Cum	
	@ 334/ Cum					=	30053-00
(02)	providing & laying in position plain cement concrete for levelling course for all works in foundations. The granite / trap / basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150 mm thickness. well compacted using plate vibrators, including all lead & lifts ⇒						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
→	cost of all materials quality, lasour, usage charges of machineries, curing and all the other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement formwork shall be paid separately) mix 1:3:6 (M10) using 40mm nominal size graded crushed course aggregates -						
	pre-measurent Recorded vide MB no - 5868 & page no - 586791						
	ie Total Qty - 117.85cum.						
	@ 6109.00/cum = ₹ 19,949.00						

M. A. R. 57 (Rule 116) No. E

Measurement Book

586714

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(03)	Supplying, fitting and placing un-coated TMT bar Reinforcement in Sub-structure Complete as per drawing and Technical Specifications.						
	pre-measurent recorded vide MB no - 5868 & page no - 586793						
	ie total Qty - 1.5g tonne						
	@ 101387.00/Tonne = 1,57,150-00						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(04)	providing and laying in position Reinforced Cement Concrete for all Sub-Structures of building, Irrigation works, Sub-Structure works of bridges, drain works & other parallel works from 0.50m to 3.50m height. The granite / trap / basalt crushed graded coarse aggregates laid in layers, well Compacted using needle vibrators, providing weep holes Wherever necessary, including all lead & lifts. cost of all materials of quality Confirming to the requirements of relevent IS Codes, labour, Usage Charges of machinery, curing, and all other appurtenances, required to Complete the work as per technical Specification (The cost of steel reinforcement & Form work to be paid separately) M-20 Design mix Using 20mm nominal size graded crushed coarse aggregates						

M. A. R. 57 (Rule 116) No. E

Measurement Book

586715

Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	For RCC drain ~~Bottom~~						
	@ Akashvihara layout	01	30.00	0.90	0.15	= 4.05	
	1st main Road →	01	30.00	0.90	0.15	= 4.05	
	near house no - 299	01	29.80	0.90	0.15	= 2.94	
	sidewalls →	02	30.00	0.15	0.60	= 5.40	
		02	30.00	0.15	0.60	= 5.40	
		02	21.80	0.15	0.60	= 3.92	
				Total	Qty	= 25.77 Cum	

CSPC-L

Ramajeevaiah
Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
			@ 6893.00	/cum	=	1,77,612.00	
(05)	providing & fixing precast reinforced Cement Concrete Coverig Slabs of 10cm thick made of M25 with OPC cement @ 340kgs/cum with 20mm and down size graded granite metal coarse aggregates @ 0.70 Cum and fine aggregates @ 0.24 Cum with Superplasticizer machine mixed, including providing and removing Centering Shuttering shuttig propping etc, for edges of Slabs with TMT steel (Fe500) cost of all materials labours, all lead and lift Hom of machinery, curring including cost of reinforcement etc Complete as per directed by the Engineer in charge of the work						

M. A. R. 57 (Rule 116)
Measurement Book

No. E

Serial No. .....

586716

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	For RCC drain						
	@ Akashvihar layout	01	30.00	0.90	-	27.00	
	1st main Road House No. 299	01	30.00	0.90	-	27.00	
		01	21.80	0.90	-	19.62	
	missing Coverig Slab @ Existing drain	14	0.60	0.90	-	7.56	
		12	0.60	0.90	-	6.48	
		8	0.60	0.90	-	4.32	
		4	0.60	0.90	-	2.16	
		6	0.60	0.90	-	3.24	
		5	0.60	0.90	-	2.70	

C & C Recommended
Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanka. Bangalore

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
					Total Qty	100.08 Sqm	
					@ 2072.00/Sqm	= 207,365.76	
(06)	Earth work in surface Excavation by mechanical means for loosing & levelling the ground for all works other than foundation in all kinds of soils & upto depth not exceeding 200mm as per drawing and technical specifications including setting out, shoring, strutting barricading Caution lights, removal of stumps and other deleterious matter including dressing of excavated surface disposing off or levelling the excavated earth or sorting & stacking the selected earth for reuse in a reaches of 50m & lift upto 1.5m including cost of labour, tools, usage of machinery & other appurtenances required to complete the work						

M. A. R. 57 (Rule 116) No. E

Measurement Book

Serial No. 586717

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Pre-measurement recorded vide MB No - 5868 & page no - 586794						
	ie Total Qty - 201.94 Cum						
					@ 71.50/Cum	= 14,438.00	
(07)	providing & conducting un-reinforced plain cement Concrete pavement thickness as per design over a prepared sub-base, with 43 grade cement or any other type as per Clause 1501.2.2. M30 (Grade), coarse and fine aggregates conforming to IS:383, maximum size of coarse aggregate not exceeding 25mm, mixed in a Concrete mixer of not less than 0.2 cum						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Capacity and appropriate weight batches using approved mix design laid in approved fixed side formwork (Steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the formworks as per drawing) spreading the concrete with shovels, rakes, compacted using needle, screed and plate vibrators and finished in conditioning operation including construction joints, primer, sealant, curing of concrete slabs for 14-days, and water finishing to lines and grade as per drawing and technical specification clause 1501 with all lead, lifts loading & unloading charges cost and conveyance of all materials, labour, equipments etc, Complete as per the direction of the Engineer-in-charge of the work.						

M. A. R. 57 (Rule 116) No. E
Measurement Book

Serial No. 586718

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	CC road @ 2nd cross ~~Prakasnathi~~ Layout Harohalli KEB.	01	15.00	(5.6+5.4)/2	0.15	12.38	
		01	15.00	(5.4+5.6)/2	0.15	12.38	
		01	15.00	(5.6+5.4)/2	0.15	12.38	
		01	15.00	(5.4+5.1)/2	0.15	11.81	
		01	15.00	(5.1+5.2)/2	0.15	11.59	
		01	15.00	(5.2+5.2)/2	0.15	11.70	

C&RC
Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Yelahanka, Bangalore

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		01	15.00	(5.2+5.3)/2	0.15	11.81	
		01	10.20	(5.3+5.1)/2	0.15	7.96	
		01	16.00	(5.1+5.2)/2	0.15	12.36	
				Total Qty		104.35	
				@		7163.20/cum	= 7,47,505-00
	(08) Cost of Haulage Excluding loading and unloading taking lot load and lead 10km = 100 t.km						

C & FC

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

M. A. R. 57 (Rule 116) No. E
Measurement Book

586719

Serial No. .....
Name of work ..... From ..... To .....
Name of Contractor of nature of Agency.....
Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Qty same as item no-01		89.98	X 1.28	—	115.17	
	Qty same as item no-06		201.94	X 2.10	—	424.06	
				Total Qty	=	539.24 t.km	
				@	105.60	/t.km	= 56,944-00
					Sub-total	=	21,10,016-00
					18% GST	=	3,79,983-00
					Total	=	24,90,999-00

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

23/11/23

23/11/23

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Certificate:						
01)	The above work is done satisfactorily and complete in all respect-						
02)	There is no departmental material issued for this work-						
03)	This works comes under BBMP limit						
	Ranganjeeral Asst. Executive Engineer Yelahanka Sub. Divison (BBMP Ynk. Zn) Yelahanka, Bangalore						

M. A. R. 57 (Rule 116) No. E

Measurement Book

586720

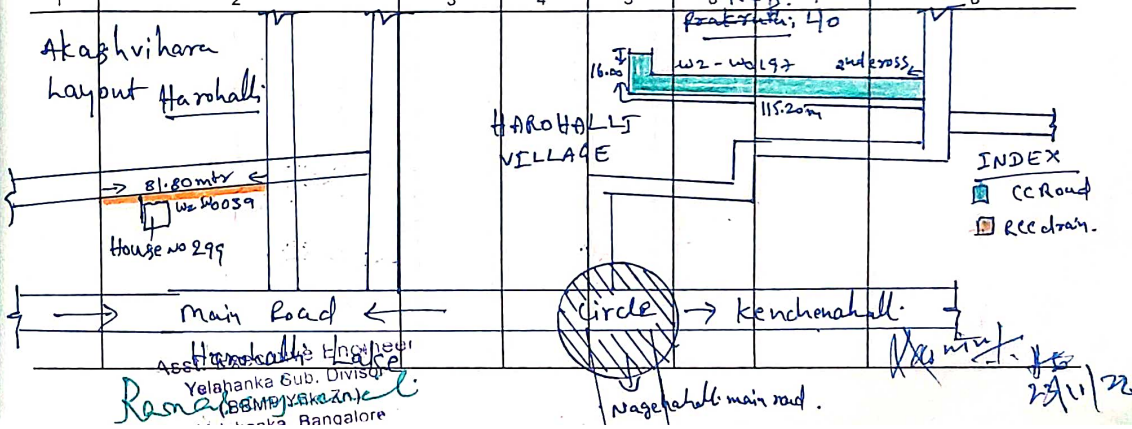
Serial No. .....

Name of work ..... From ..... To .....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Akashvihara Layout Harohalli				KCB. 40		



Asst. Executive Engineer
Yelahanka Sub. Divison
(BBMP Ynk. Zn)
Bangalore

Ranganjeeral

25/11/22